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REPORT NO. [redacted]

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COUNTRY Poland

DATE DISTR. 11 Feb. 1954

SUBJECT Artificial Fiber Factory, Tomaszow
Mazowiecki

NO. OF PAGES 2

DATE OF INFORMATION [redacted]

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REFERENCES:

PLACE ACQUIRED [redacted]

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1. [redacted]

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2. The Artificial Fiber Factory was located in a densely populated area in the town of Tomaszow N 51-32, E 20-017, and consisted of a series of work halls and several two or three-story buildings. The factory was well-known prior to World War II and [redacted] it appeared to be a well-organized and efficient one. It employed in 1952 about 6,000 workers who worked in three shifts. The technical director was OSTROUCH.

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3. The factory was subordinate to the Central Administration of the Fiber Industry which was under the Ministry of the Chemical Industry.

4. Cellulose in sheet form and sulphide of carbon were used as basic raw materials. The cellulose was treated with caustic potash and after being pressed in hydraulic presses to the state of alkali cellulose, it was shredded. It was then placed into a "ripening room" where it remained in rotating tanks for several days at a temperature of about 25° C. The product was then dissolved in a solution of carbon bisulphate (CS₂) in a vacuum. This liquid was compressed through platinum sieves into an acid bath (H₂SO₄) where the artificial silk fibers were formed. The fibers were then rinsed, twisted, dyed, and rewound. The thickness of the thread varied according to the number of fibers used; a thread could be made of from several to 300 fibers.

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5. The factory produced cellophane wrapping paper, called Tomofan and a synthetic fabric (called artificial silk in Polish) which was used for shirts, women's dresses, and parachutes.
6. The factory had its own power station and was also connected to the grid. It had its own source of water supply as well.
7. The factory was well guarded by the industrial guards. Visitors could enter only with a pass issued by the Ministry of the Chemical Industry.

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